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DESIGN WOODWORKING MACHINE, NEW EQUIPMENT FOR TEXTILE INDUSTRY

DESIGNS UNIVERSAL WOODWORKING MACHINE -- Moscow, Trud, 30 Jan 51

Even though the wood-processing industry possesses specialized capital equipment for various woodworking operations, the mechanization of various hand processes by means of portable universal machines and instruments is highly important. For small carpentry, patternmaking, furniture, and other shops, small-machine mechanization is the most efficient means of increasing production and cutting the cost of products. For these reasons, simple, highly productive, and at the same time inexpensive machines are needed to carry out various wood-finishing processes.

The UEK-1 universal woodworking machine, designed by modelmaker Mihail G. Kulikov, has been put into production at the Leningrad Elektroinstrument Plant. This machine has been highly rated by modelmakers, workers, and engineering-technical personnel in a number of wood-processing industries. The machine can be set up as 17 different machine tools or instruments: portable drill for wood or metal, bench or portable band or disk saw, bench planing-jointing machine, bench lathe, portable milling machine, portable or bench mortising machine, bench rabbeting and channeling machine, emery wheel, bench scratching machine, bench or portable sanding machine, and portable floor-polishing machine. The instruments and machines can be set up in combinations, e.g., band saw and planing-jointing machine, band saw and bench lathe.

The machine is powered by an 0.5-watt electric motor which runs on a 220-127 volt, three-phase current. The motor is equipped with a two-stage reducer which lowers the number of revolutions per minute from 3,000 to 500. The rotor shaft is a high-speed spindle, while the reducer shaft is low-speed. Both spindles have an inner cone and identical external threading for attaching interchangeable tools and equipment. Current is supplied to the motor by a four-strand cable, one of the strands serving as a ground.

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This universal electric instrument can be used not only in wood-processing shops, but also in MTS, in mobile repair-renovation brigades, and in industrial and home building. Apart from production operations, Kulikov's machine can be used for polishing floors. The most complex set-up of the machine weighs less than 16 kilograms. Kulikov's machine can be built in any machine-building plant.

ONEGA MACHINE-BUILDING PLANT TOPS PREWAR PRODUCTION -- Novosibirsk, Bol'shevistskaya Smena, 31 Jan 51

The Onega Machine-Building Plant, Karelo-Finnish SSR, has first-class equipment and is turning out improved machinery and other products for the timber industry, for tugboats, etc. The plant has far surpassed its prewar level of production.

CONSTRUCT NEW PAPER-MAKING MACHINES -- Baku, Bakinskiy Rabochiy, 6 Jan 51

A new, improved two-size rotary aggregate for unrolling and cutting rolls of paper, built by the Leningrad Plant imeni Vtoraya Pyatiletka, is now being tested. It simultaneously cuts 12 rolls of paper into different-sized lengths.

Suction rolls made by this plant are being used in Estonian and Leningrad paper mills and combines. Productivity of paper-making machines has been increased 10 percent and their consumption of electric power sharply decreased. A new longitudinal-cutting machine which cuts paper at the rate of 500 meters per minute has been completed. Yesterday, the machinery sections machined parts for a new, improved cigarette-paper machine.

Leningradskaya Pravda, 7 Feb 51

The Leningrad Machine-Building Plant imeni Vtoraya Pyatiletka has built machines for making paper as thin as five thousandths of a millimeter. Powerful calenders for making cartons have been produced.

BASALT MILLSTONES DELIVERED TO PAPER MILLS -- Yerevan, Kommunist, 14 Feb 51

In 1946, the Ushardzan Artel' of the Armenian Industrial Cooperatives System was first in the Soviet Union to produce parts for paper mills and combines out of local andesite basalt. Laboratory tests and practical utilization of these parts in production have proved their value and quality.

At present the Artel' is putting out 16 types of parts for the paper industry. Last year about 2 million rubles' worth of parts were made on orders from more than 30 paper mills and combines. Ten huge andesite millstones were sent to the Kondopoga Paper Combine recently, and similar millstones have already been shipped elsewhere in the Karelo-Finnish SSR. New types of large-size andesite millstones for the Sakhalin Paper Mill are being readied for production.

PRODUCE CARDING MACHINES FOR ABSORBENT COTTON -- Leningradskaya Pravda, 7 Feb 51

The Leningrad Vulkan Plant has begun putting out machines for the manufacture of absorbent cotton. These carding machines produce up to 15 kilograms of cotton per hour, and one female worker can tend 10-15 machines.

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USE NEW EQUIPMENT TO MECHANIZE TEXTILE INDUSTRY -- Moscow, Vechernyaya Moskva, 12 Feb 51

The old machines for weft thread plants had many defects in the shuttle, causing frequent breaks in the thread. The Moscow Machinery Plant of the Main Administration of Machine Parts, Ministry of Light Industry USSR, built a new machine which has been highly rated by weavers. Manual assembly of a complex unit -- the mesh /kletochka/ for the racking apparatus of spinning machines -- has been replaced by mechanical assembly on a press, which speeds up the operation 2½ times. The assembly of bushing roller chains has been mechanized, increasing production 60 percent.

PLANT SHIPS SPINNING, CARDING MACHINES -- Moscow, Vechernyaya Moskva, 30 Jan 51

The Moscow Presnenskiy Machine-Building Plant has already sent the first models of a new 120-spindle wool-spinning machine to enterprises in Morshansk and Baku. Highly productive machines for initial processing of wool are being assembled in the plant's shops. Yesterday, carding machines were shipped to the Monino mill. Today, the plant shipped swingling machines for high-quality processing of wool to Kaunas.

IVANOVO PLANT SUPPLIES TEXTILE MACHINES TO UKRAINE -- Kiev, Pravda Ukrainy, 11 Feb 51

The Ivtekstil'mash (Ivanovo Textile-Machine-Building) Plant supplies the Kharkov Dyeing and Finishing Factory with universal aggregates and centrifugal machines for dyeing cloth. It supplies the Boguslav Cloth Mill with aggregates for finishing wool yarn, and the Arbuzinskiy Hemp /kenafniy/ Plant with scutching and other machines. A large consignment of moisture-extracting machines has been shipped to the textile mills of Odessa and other cities of the Ukraine.

This year, the Ivanovo Machine-Building Plant imeni Korolev, besides turning out its usual products, will furnish the Ukraine with new aggregates for processing hemp and flax.

LENINGRAD PLANT FAILS TO DELIVER NEEDED MACHINE -- Leningradskaya Pravda, 23 Feb 51

An old, worn-out, belt-drive cutting machine has been keeping Sewing Factory No 12, Rostov-on-Don, from fulfilling its plan and improving the quality of its products. In February 1950, Glavshveyprom (Main Administration of the Sewing Industry), Ministry of Light Industry, informed the factory that a cutting machine would be built at the Leningrad Vpered Plant. The contract was concluded in March and the machine was to be shipped at the beginning of the third quarter.

When the indicated period had elapsed, the Rostov factory reminded the Leningrad plant that it had not yet fulfilled its promise. In reply, the Vpered Plant sent a letter promising to ship the machine with all spare parts at the end of September. Several months passed, and the machine was still not delivered. Succeeding letters and telegrams sent to the Vpered Plant were not answered.

SHOW 1950 PRODUCTION INCREASE IN LOOMS -- Moscow, Trud, 28 Jan 51

According to the report published by the Statistical Administration of the Council of Ministers USSR concerning plan fulfillment in 1950, production of looms increased 26 percent over 1949.

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BELORUSSIAN PLANT SERIES-PRODUCES SEWING MACHINES -- Minsk, Sovetskaya Belorussiya, 9 Feb 51

The Krasniy Oktyabr' Plant in Baran' village, near Orsha, series-produces cabinet sewing machines of a type approved by the All-Union Chamber of Commerce.

SEWING MACHINE PARTS PUT ON SALE -- Moscow, Vechernyaya Moskva, 7 Feb 51

The Machinery and Repair Plant is accepting orders for spare parts (to be manufactured or filled from stocks on hand) for sewing machines of the 15th and 31st classes. Address: 6 Vadkovskiy per eulok. Telephone D-1-08-66. -- Advertisement

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